Product Name: CONTROL GREEN Low Odor Mastic Remover

MSDS #: GI-002-CA

UN/ID No: NA1993

Recommended Use: Mastic remover

Supplier Address:
Grayling Industries, Inc.
1008 Branch Drive
Alpharetta, GA 30004

Company Phone Number: 1-800-635-1551
Emergency Telephone (24 hr):
INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. Hazards Identification

EMERGENCY OVERVIEW
Causes serious eye irritation
May be fatal if swallowed and enters airways
Combustible liquid

Appearance: Light green liquid
Physical State: Liquid
Odor: Mild

Potential Health Effects

Acute Toxicity
Eyes: Causes serious eye irritation
Skin: Irritating to skin
Inhalation: May cause irritation of respiratory tract
Ingestion: May be fatal if swallowed and enters airways

Chronic effects: No known effect based on information supplied

Symptoms: Skin contact can lead to drying, defatting, itching, stinging and irritation. Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. May cause severe irritation with redness, pain, and blurred vision. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination.

Aggravated Medical Conditions: None known

Environmental Hazard: See Section 12: ECOLOGICAL INFORMATION
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>64742-47-8</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Ethoxylated Nonylphenol</td>
<td>9016-45-9</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

**Eye Contact**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Get medical attention

**Skin Contact**
Wash with soap and water Take off contaminated clothing Wash contaminated clothing before reuse

**Inhalation**
After high vapor exposure, remove to fresh air If breathing is difficult, give oxygen If not breathing, give artificial respiration Call a physician immediately

**Ingestion**
Rinse mouth Do not induce vomiting Never give anything by mouth to an unconscious person Seek medical attention immediately

**Notes to Physician**
Treat symptomatically

5. FIRE-FIGHTING MEASURES

**Flammable properties**
Combustible liquid

**Flash Point**
175 °F / 79 °C
Tag Closed Cup Lowest Component

**Suitable Extinguishing Media**
Dry powder AFFF Foam Carbon dioxide (CO2)

**Unsuitable Extinguishing Media**
Water spray may be ineffective. If water is used, fog nozzles are preferable

**Explosion Data**
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None

**Specific Hazards Arising from the Chemical**
Cool containers exposed to flames with water until well after the fire is out. Heat may cause the containers to explode. Keep product and empty container away from heat and sources of ignition

**Protective equipment and precautions for firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**
Wear respiratory protection For large spills, evacuate the hazard area of unprotected personnel

**Environmental Precautions**
Do not allow into any sewer, on the ground or into any body of water See Section 12 for additional Ecological Information

**Methods for Containment**
Stop the flow of material, if this is without risk Dike and contain spill

**Methods for Clean-Up**
Soak up with inert absorbent material Mop up and dispose of spilled material
7. HANDLING AND STORAGE

Advice on Safe Handling
Use with adequate ventilation Avoid breathing vapors or mists Do not get in eyes, on skin, or on clothing Use personal protection recommended in Section 8 Ground/bond container and receiving equipment Do not flame, cut, braze weld or melt empty containers Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed Wash face, hands, and any exposed skin thoroughly after handling Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place Store away from incompatible materials Store locked up

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>100 ppm</td>
<td>500 ppm</td>
<td></td>
</tr>
<tr>
<td>64742-47-8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineering Controls
Apply technical measures to comply with the occupational exposure limits Eyewash stations Showers

Personal protective equipment (PPE)

Skin and Body Protection
Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure

Eye/Face Protection
Wear approved safety goggles

Respiratory Protection
Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2)

General Hygiene Considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Light green liquid</td>
<td>Odor Mild</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Light green</td>
<td>Odor Threshold Not determined</td>
<td></td>
</tr>
<tr>
<td>Property</td>
<td>Values</td>
<td>Remarks</td>
<td>Method</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>213-242 °C / 417-468 °F</td>
<td>Tag Closed Cup Lowest Component</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>79 °C / 175 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>0.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0.1 mm Hg</td>
<td>@20°C</td>
<td>Air=1</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>6.1</td>
<td></td>
<td>(1=Water)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.817</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Appreciable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>260 °C / 500 °F</td>
<td>Lowest Component</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Property | Values | Remarks • Method
--- | --- | ---
Kinematic Viscosity | Not determined | 
Dynamic Viscosity | Not determined | 
Explosive Properties | Not determined | 
Oxidizing Properties | Not determined | 
Additional Information | Refractive index: 1.441 | Mixed Aniline Point (Acid Insol): 71°C/160°F
VOC Content (%) | 99% | 
Density | 6.807 lb/gal | 

10. STABILITY AND REACTIVITY

Stability | Stable under recommended storage conditions |
Incompatible Materials | Strong oxidizing agents |
Conditions to Avoid | Heat, flames and sparks Contact with incompatible materials |
Hazardous Decomposition Products | Carbon monoxide Carbon dioxide (CO2) |
Hazardous Polymerization | Hazardous polymerization does not occur |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation | Avoid breathing vapors or mists |
Eye Contact | Causes serious eye irritation |
Skin Contact | May be harmful in contact with skin |
Ingestion | May be harmful if swallowed |

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5.2 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>= 3384 mg/kg (Rat)</td>
<td>= 2700 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Ethoxylated Nonylphenol</td>
<td>= 1310 mg/kg (Rat)</td>
<td>= 2 mL/kg (Rabbit)</td>
<td></td>
</tr>
</tbody>
</table>

Chronic toxicity

Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP |
Target organ effects | None known |
12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static</td>
<td>4720: 96 h Den-dronereides heteropoda mg/L LC50</td>
<td></td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>100: 96 h Desmodesmus subspicatus mg/L EC50</td>
<td>1300: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td>2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

Persistence/Degradability
This product is partially biodegradable.

Mobility
This material is a mobile liquid.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated Packaging
Do not reuse container

14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)"

DOT
Proper Shipping Name: Combustible liquid, n.o.s. (Petroleum distillates)
Hazard Class: Comb Liq
UN/ID No: NA1993
Packing Group: III

IATA
Not regulated

IMDG
Not regulated

TDG
Not regulated
15. REGULATORY INFORMATION

**International Inventories**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>hydro-treated light</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethoxylated Nonylphenol</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
- **Acute Health Hazard**
  - Yes
- **Chronic Health Hazard**
  - No
- **Fire Hazard**
  - Yes
- **Sudden Release of Pressure Hazard**
  - No
- **Reactive Hazard**
  - No

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
International Regulations

CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class
Class D, Div. 2
Class B, Div. 3

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Stability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Issue Date: 17-Dec-2007
Revision Date: 21-May-2013
Revision Note: New format

Disclaimer
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet